

Reinventing Referinghausen

Harry Hooper

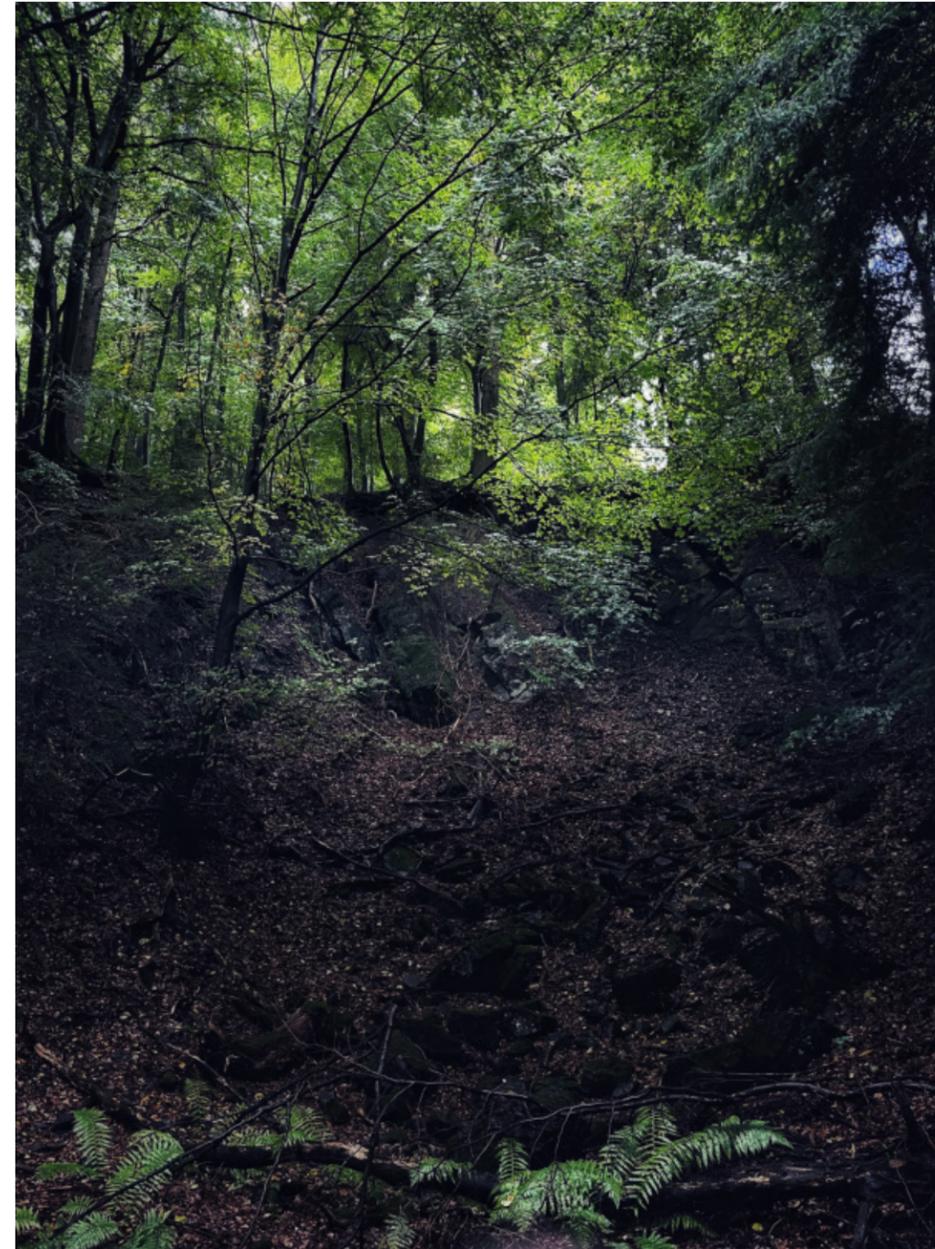
EXISTING CONDITIONS

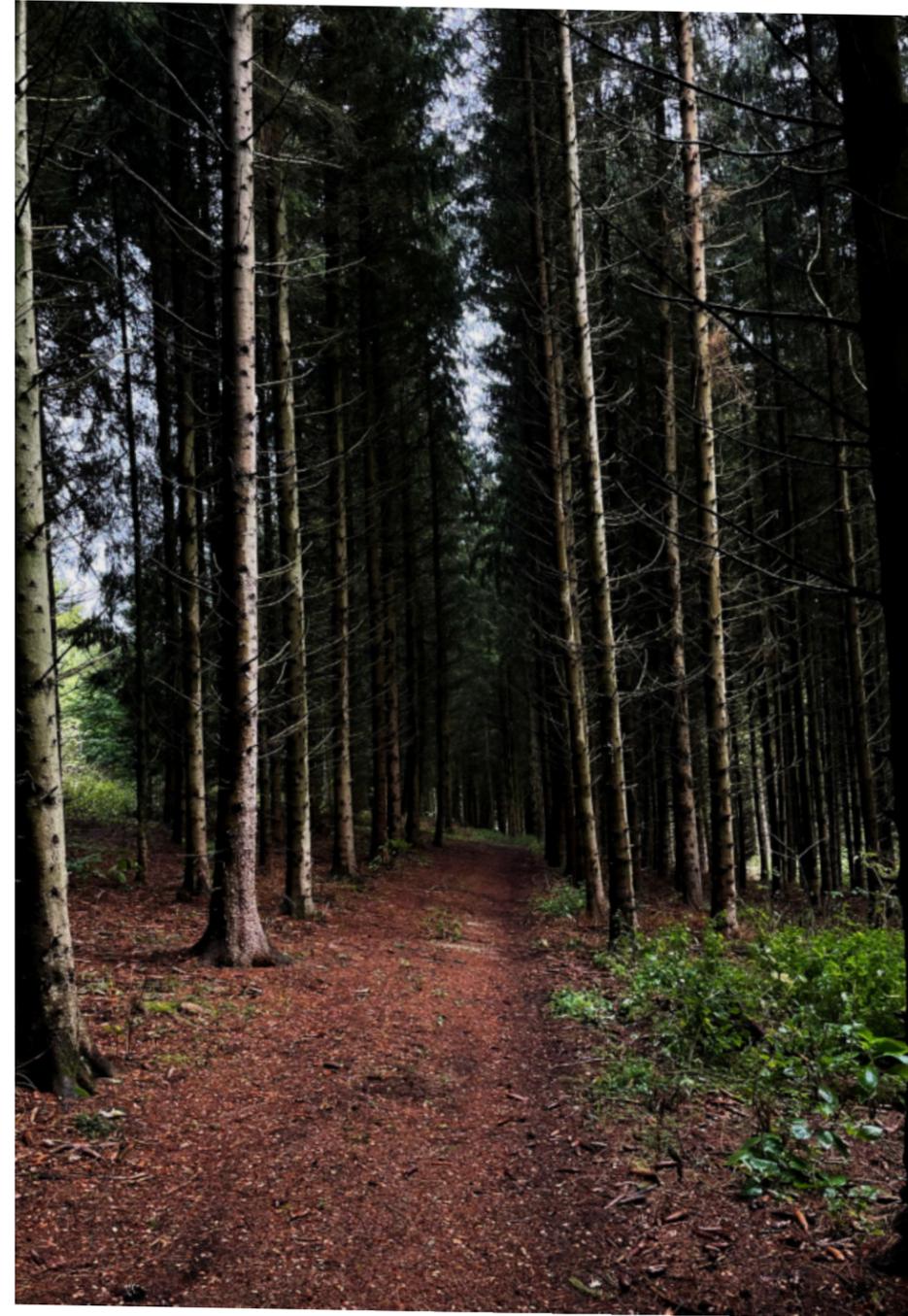
1. The challenges to agriculture and forestry have consequences on long-held cultural customs. There is a fundamental shift to life in the village, to vocations, to demographics and identity.
2. Gathering for seasonal and annual celebrations is a way to preserve a common heritage, and allow for new traditions to be established.
3. Adapting to climate change and strengthening community are part and parcel of contemporary life in the network of villages.

How can we address the changing cultural landscape of Referinghausen and its neighboring villages?

****Proposal: new spaces for music, dance, and performances + water filtration landscape**





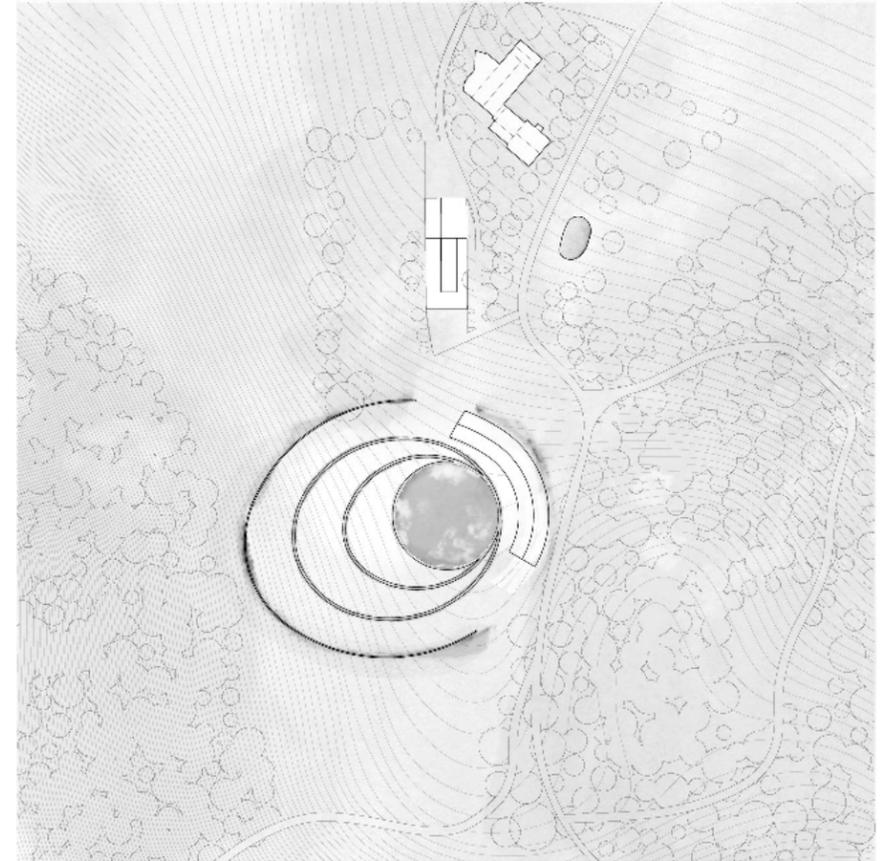
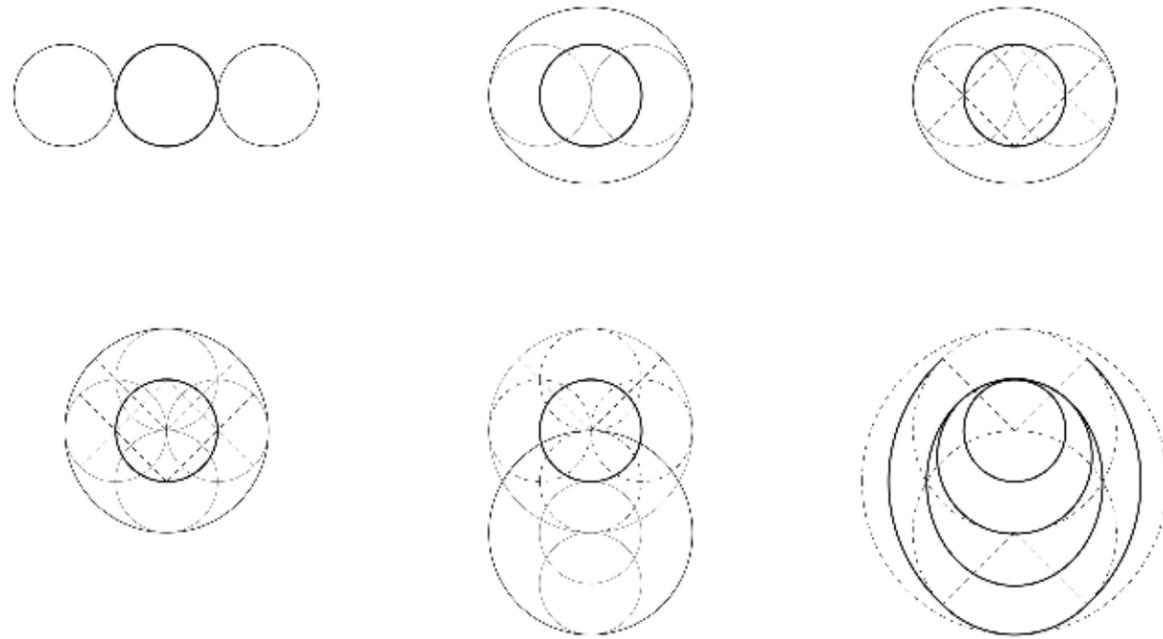


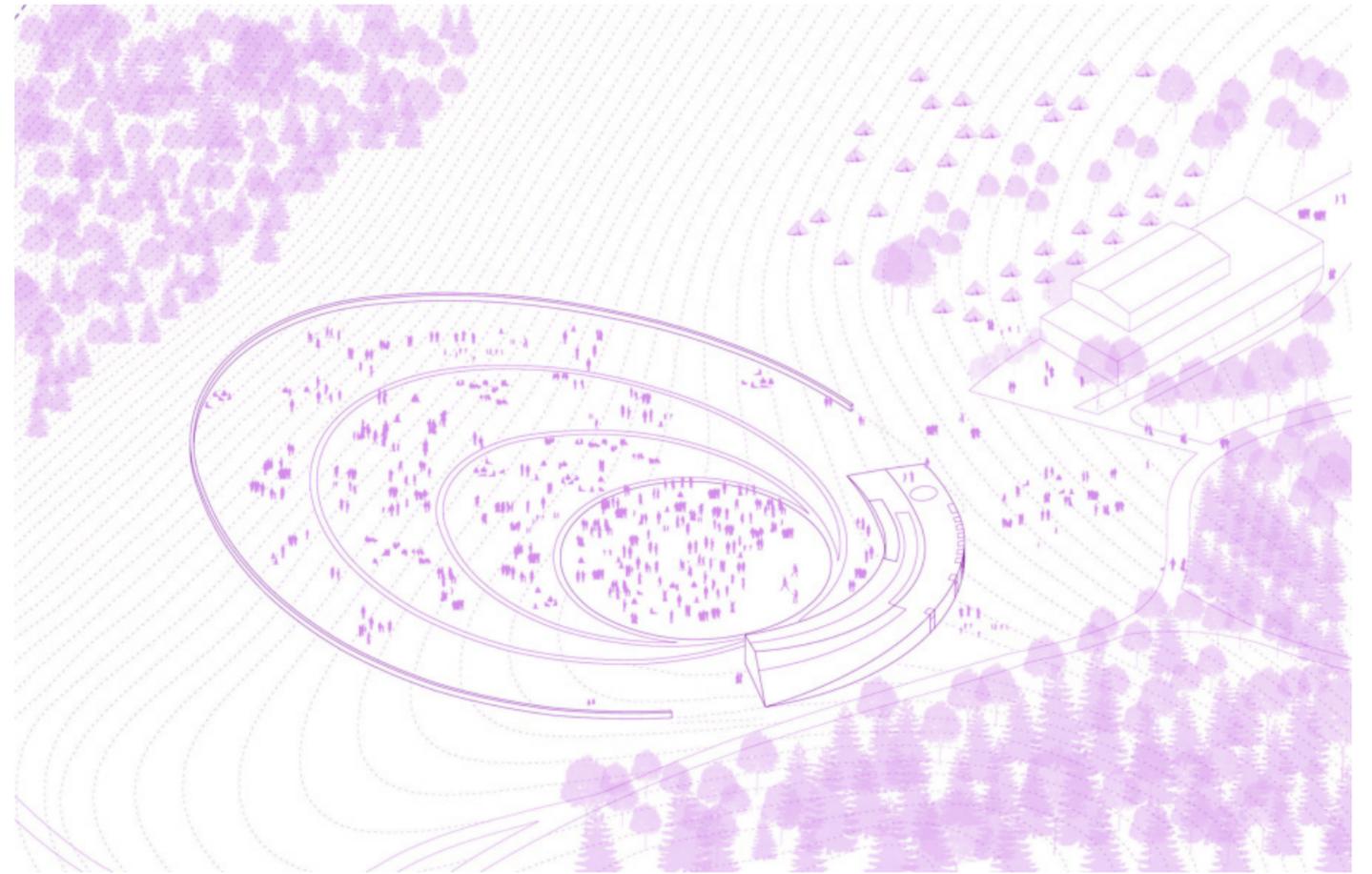
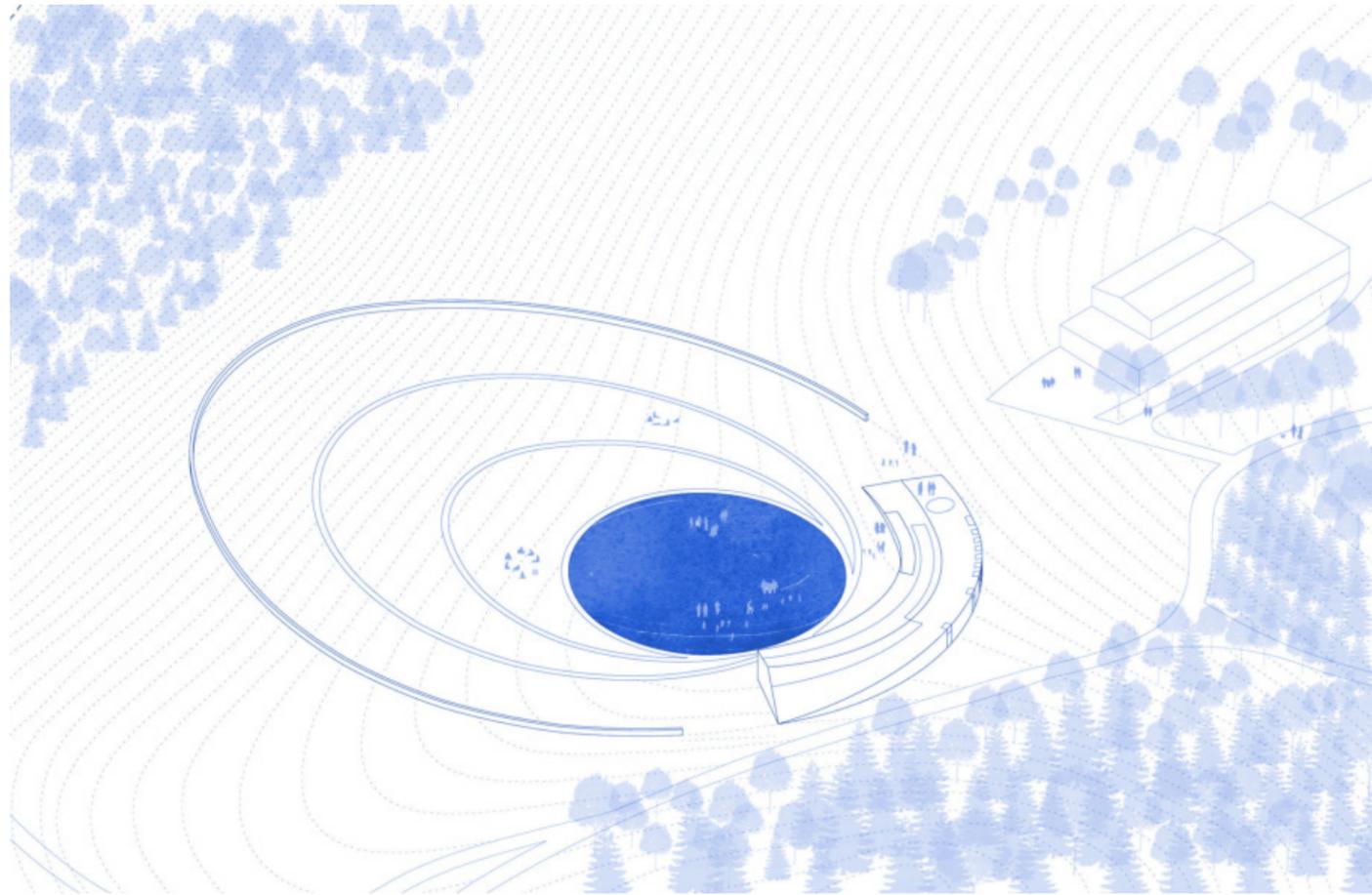




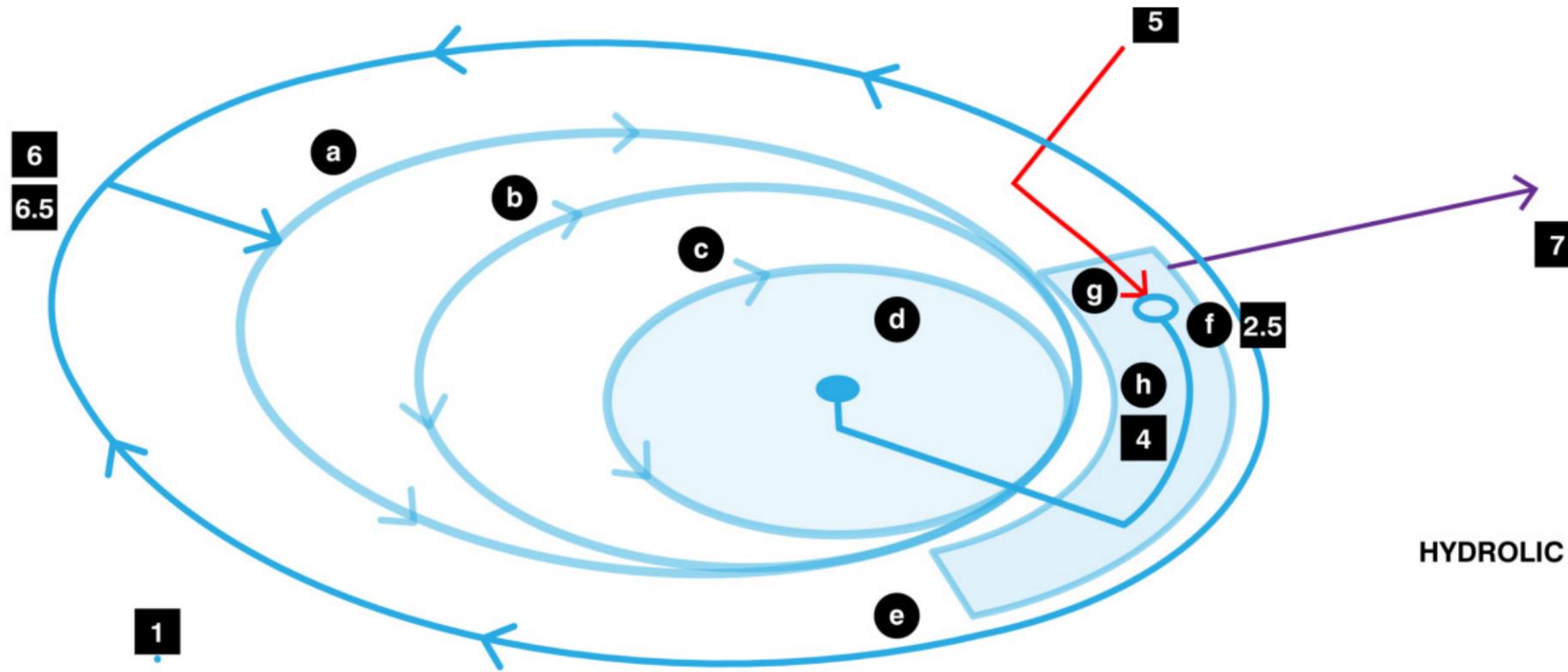






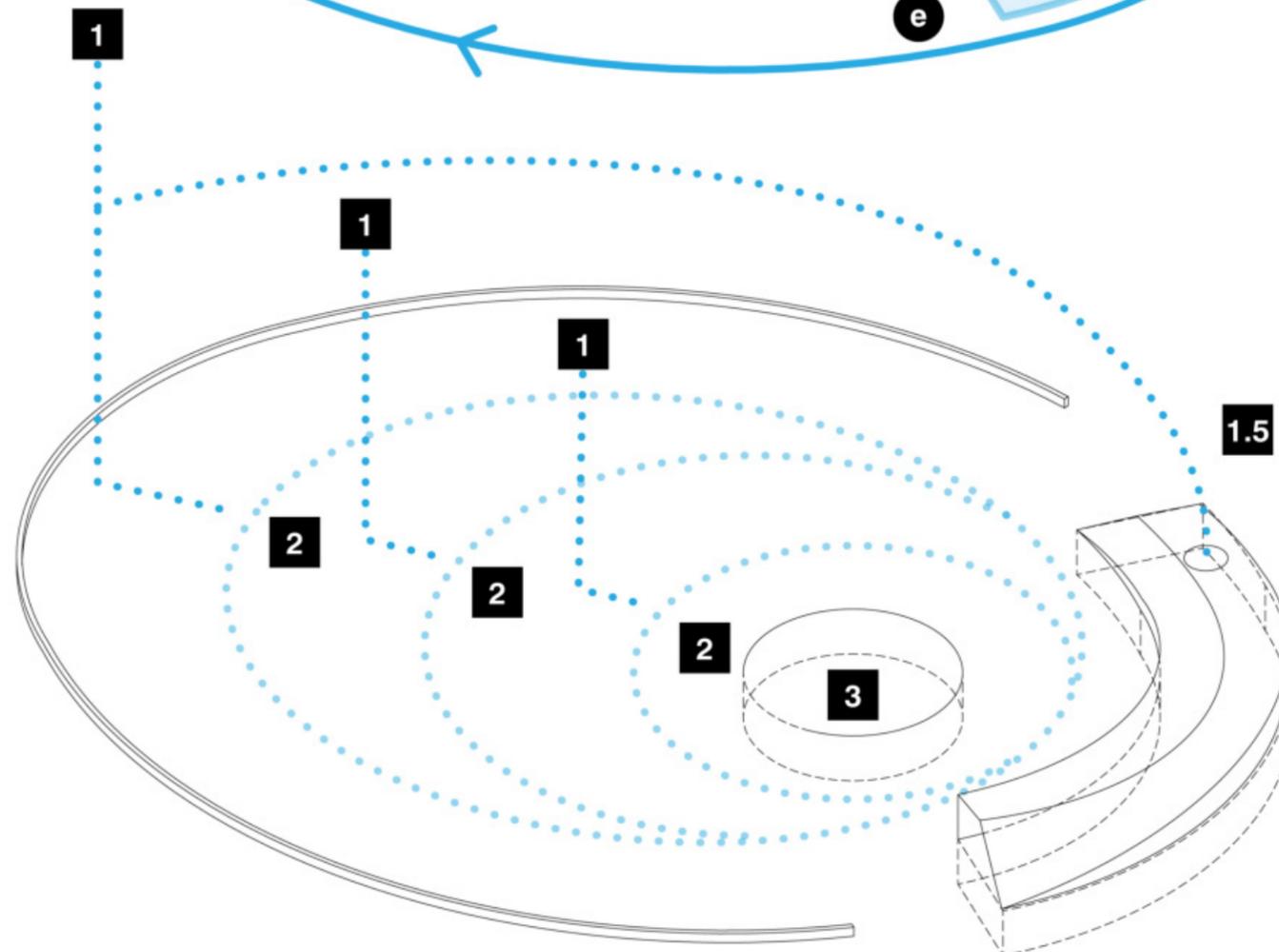






HYDROLIC SYSTEMS KEY

- a BIOSWALE RING 1
- b BIOSWALE RING 2
- c BIOSWALE RING 3
- d FILTERED WATER CISTERN
- e OVERFLOW BASIN
- f HYDROBOTANIC CELL
- g PUMPS/TESTING ROOM
- h RESTROOMS & BATHING



- 1 RAINFALL ON BIOSWALE
- 1.5 RAINFALL DIRECTED TO OVERFLOW BASIN
- 2 FILTRATION IN BIOSWALES
- 2.5 FILTRATION IN HYDROBOTANIC CELL
- 3 FILTERED WATER STORED IN CISTER
- 4 FULLY FILTERED WATER FLOWS TO BATHING AREAS
- 5 MUNICIPAL BIOGAS HEATS AND DISINFECTS WATER
- 6 GREY WATER FROM BATHING PUMPED TO BIOSWALES
- 6.5 OVERFLOW WATER PUMPED TO BIOSWALES
- 7 BLACK WATER DIRECTED TO MUNICIPAL SEWAGE

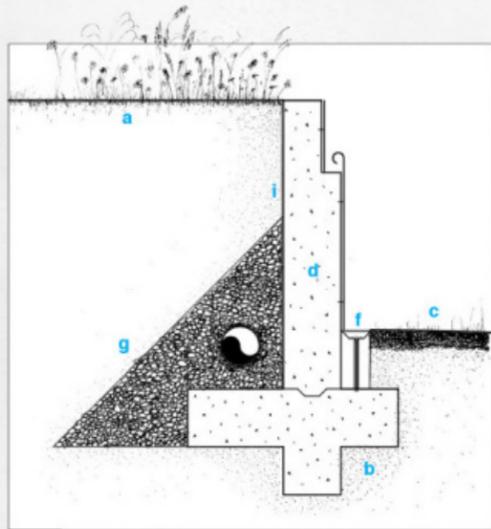
LANDSCAPE DETAIL LEGEND

- a 6" min (150mm) Top soil mix
- b Compacted sub-grade at 90%
- c 3" min (75mm) Gravel topping
- d Poured in place concrete
- e 1/2" (12mm) Brushed steel plate
- f Glass lens with LED uplight
- g Compacted stone sub-base
- h 8" (200mm) diameter feeder pipe
- i Geotextile liner

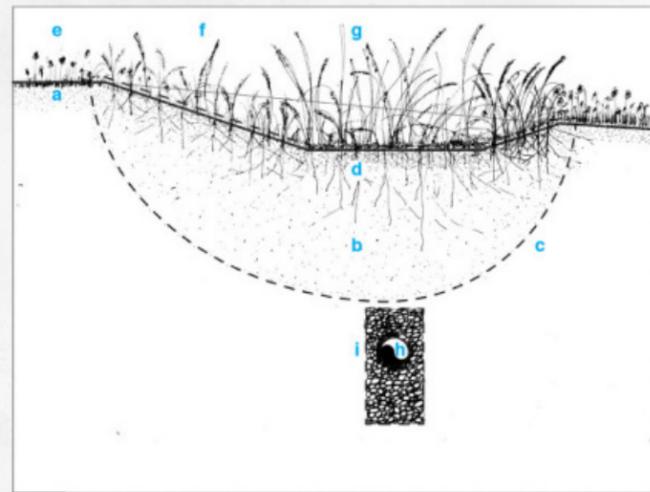
- a 6" min (150mm) Top soil mix
- b Bio-retention soil mix with 5% clay
- c Geotextile liner
- d Seed bed
- e Wildflowers
- f Erosion prevention plantings
- g Phytoremediating plantings
- h 6" (150mm) diameter drain pipe
- i Compacted stone sub-base

- a Polished cast-in-place concrete stage
- b Concrete cistern roof and wall structure
- c GSC Steel water tank at 100,000 L
- d 4" (100mm) balancing valve
- e 10" (254mm) main supply header
- f Concrete cistern floor
- g Compacted sub-grade at 90%

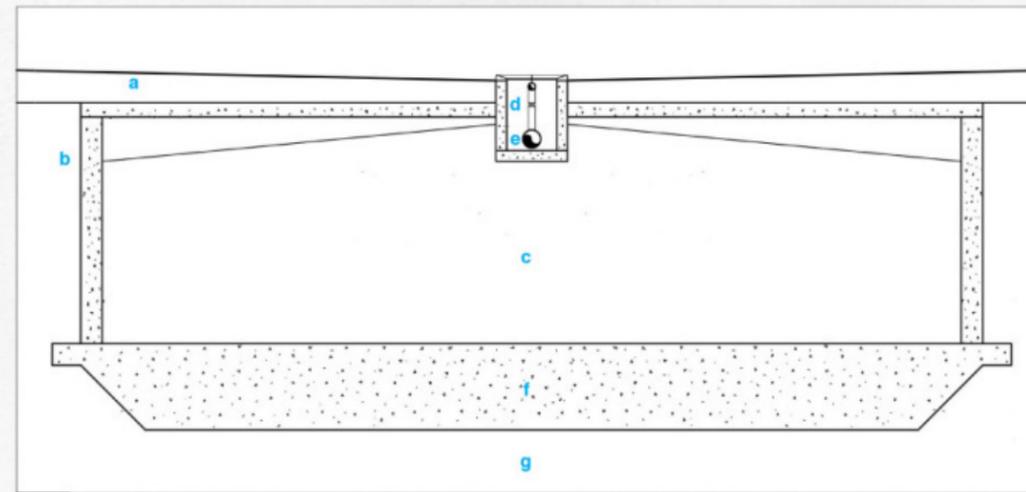
- a Reinforced concrete slab
- b 18"H (450mm) Cast concrete kerb wall
- c Bio-retention soil mix with 5% clay
- d Geotextile liner
- e Seed bed
- f Erosion prevention plantings
- g Compacted sub-grade at 90%



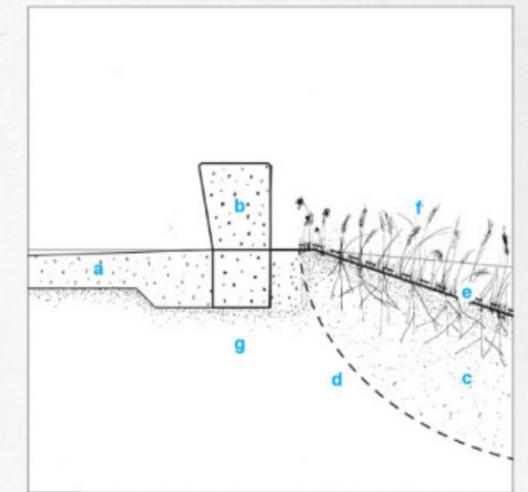
1 RETAINING WALL



2 BIOSWALE

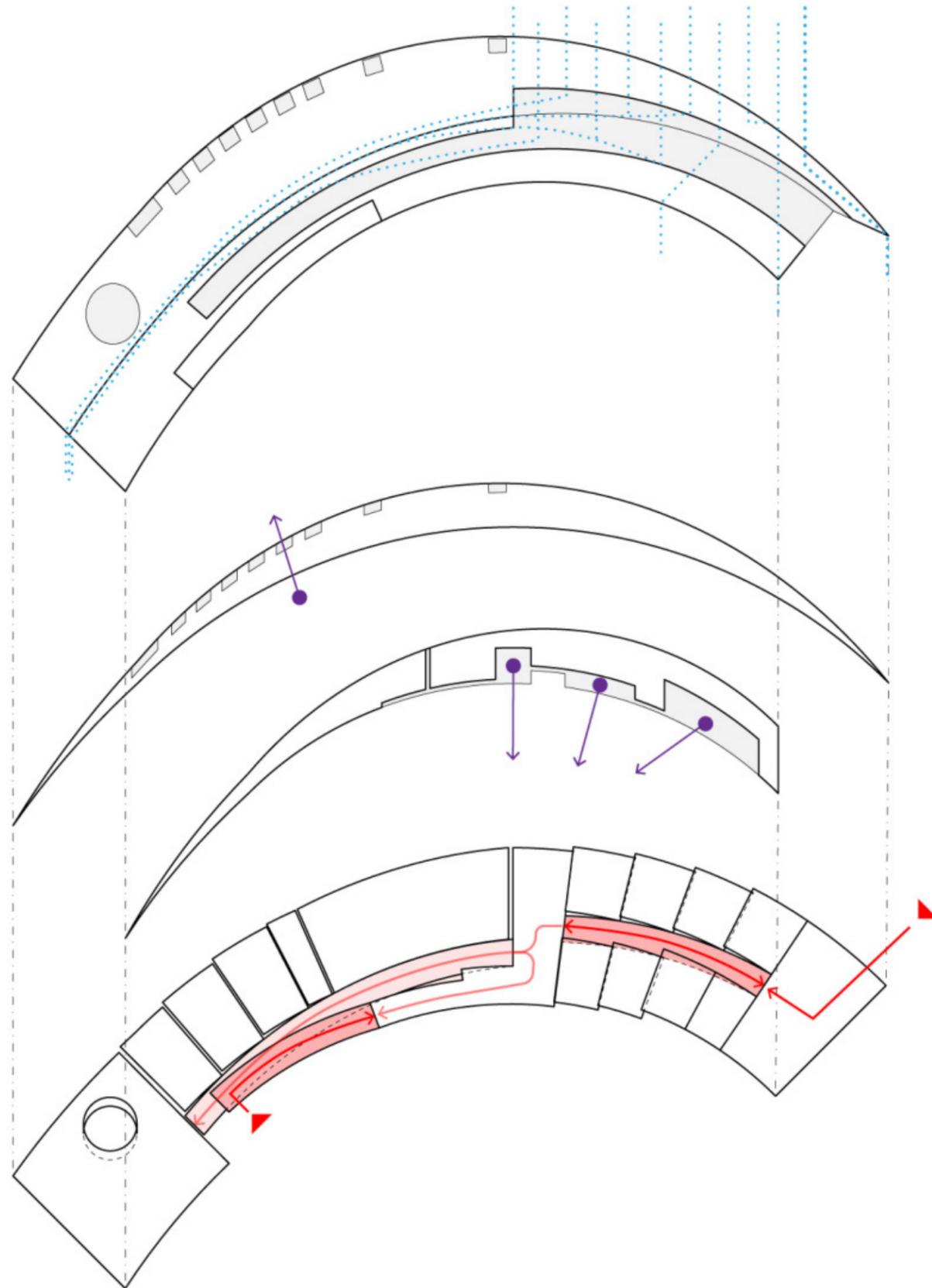


3 CISTERN WITH FOUNTAIN HEAD



4 STAGE EDGE

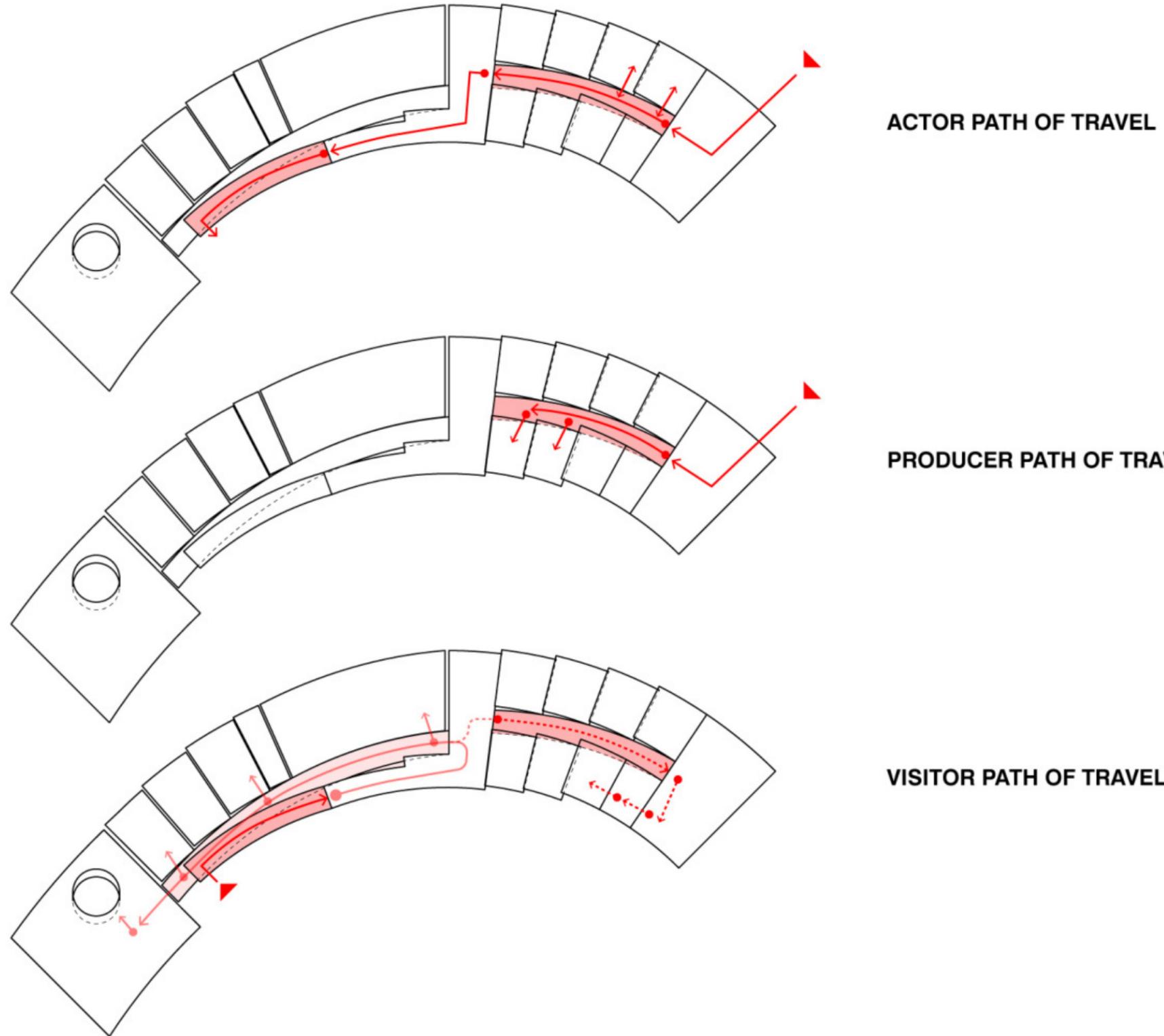




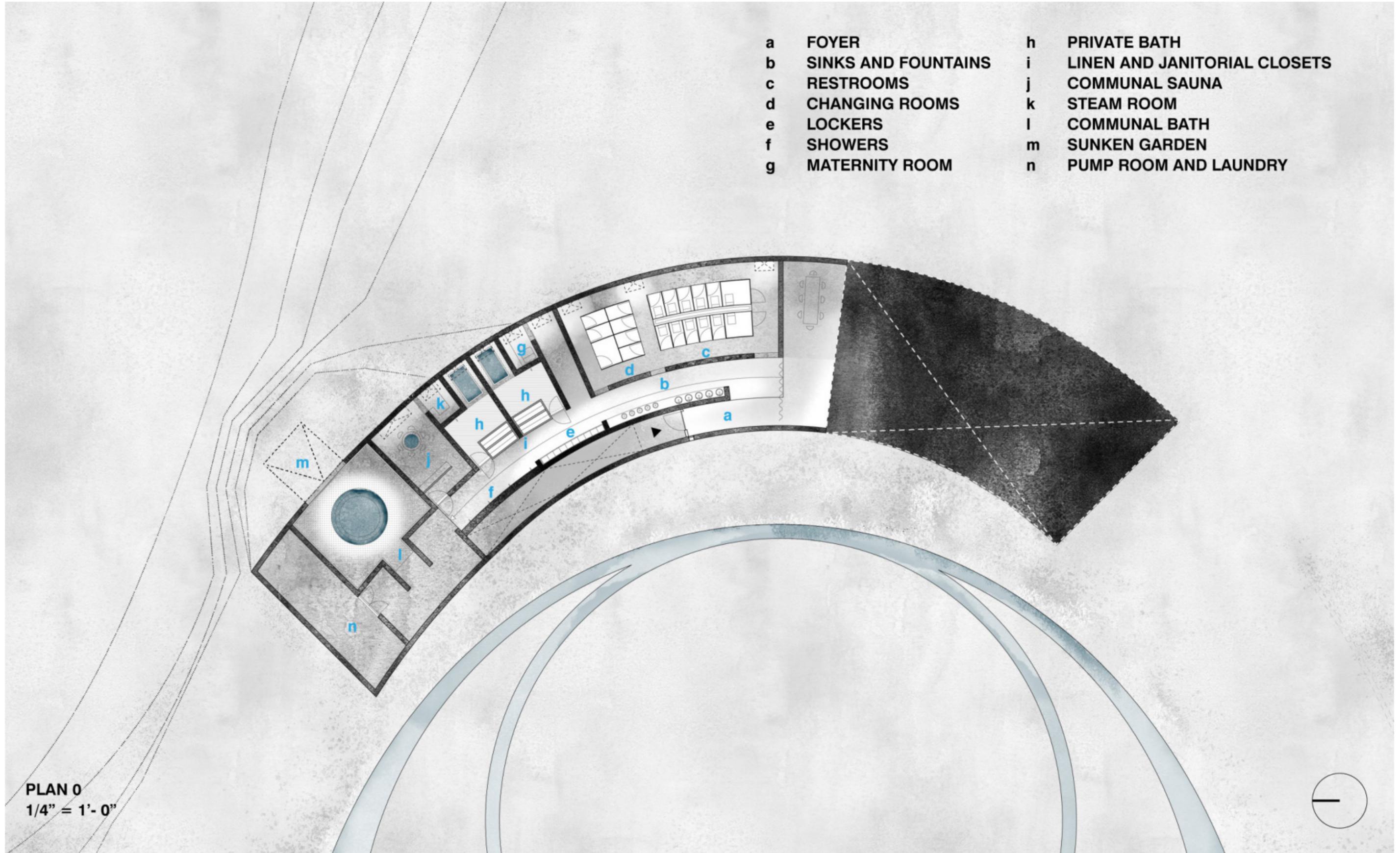
FORM TO DIRECT RAINWATER

VIEWS TO STAGE AND CANOPY

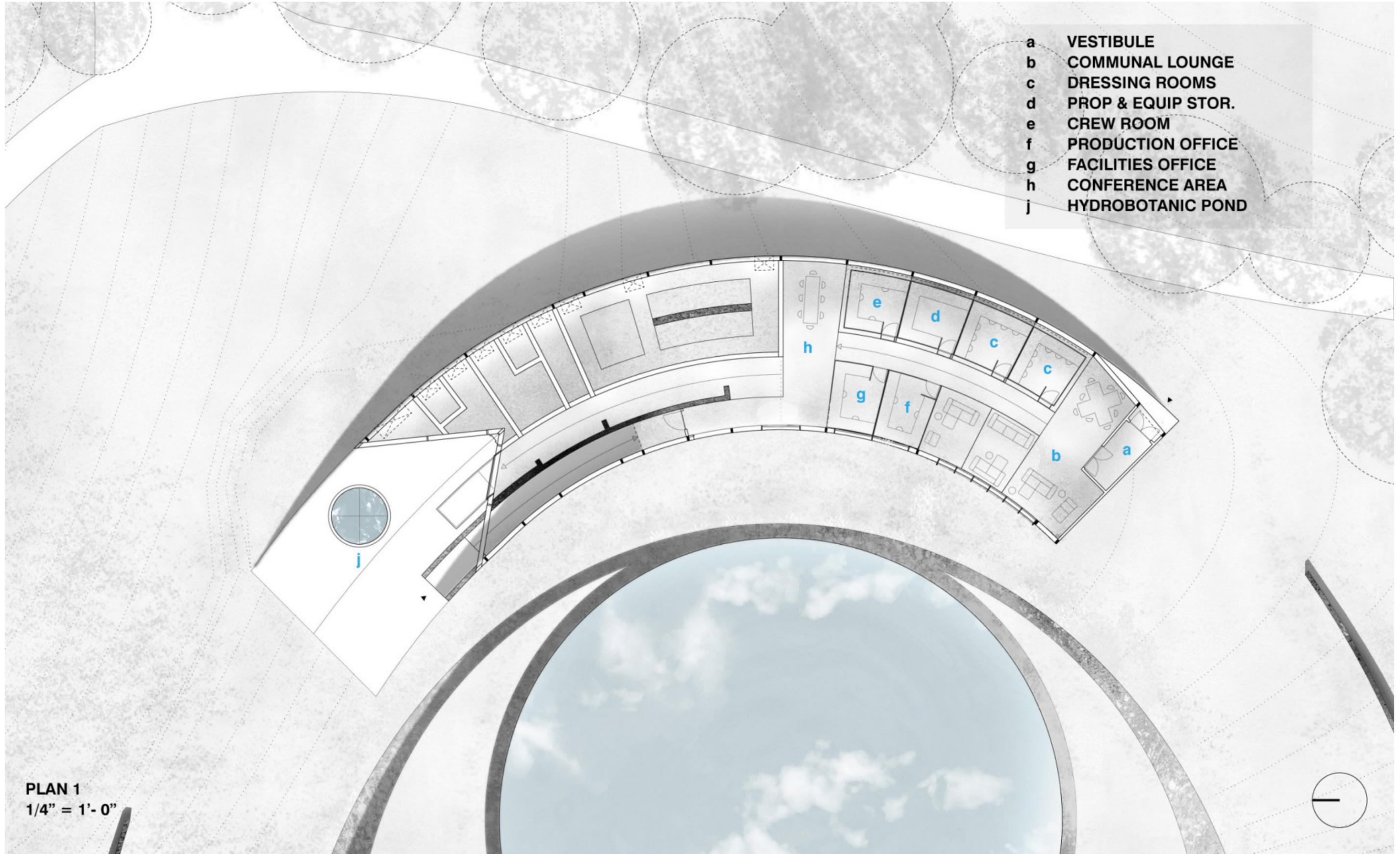
CIRCULATION VIA RAMPS



- | | | | |
|---|---------------------|---|------------------------------|
| a | FOYER | h | PRIVATE BATH |
| b | SINKS AND FOUNTAINS | i | LINEN AND JANITORIAL CLOSETS |
| c | RESTROOMS | j | COMMUNAL SAUNA |
| d | CHANGING ROOMS | k | STEAM ROOM |
| e | LOCKERS | l | COMMUNAL BATH |
| f | SHOWERS | m | SUNKEN GARDEN |
| g | MATERNITY ROOM | n | PUMP ROOM AND LAUNDRY |



PLAN 0
1/4" = 1'-0"



- a VESTIBULE
- b COMMUNAL LOUNGE
- c DRESSING ROOMS
- d PROP & EQUIP STOR.
- e CREW ROOM
- f PRODUCTION OFFICE
- g FACILITIES OFFICE
- h CONFERENCE AREA
- j HYDROBOTANIC POND

PLAN 1
1/4" = 1'-0"



